FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	SERIAL NO.
24727-0813C	09/717,478
APPLICANT: Anderson *et al.*	
FILING DATE: November 20, 2000	GROUP: 3736

OIPE JC38 MAR 12 2001 PATENT & TRADEMARK OFFICE

RECEIVED MAR 14 2001 TECHNOLOGY CENTER R3700

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	AA	D	2	9	9	8	6	0	2/14/89	Fan *et al.*	D24	17	9/2/86
	AB	D	3	0	0	4	6	3	03/28/89	Nemec *et al.*	D24	17	06/30/86
*	AC	D	3	2	8	1	3	5	07/21/92	Fan *et al.*	D24	223	01/12/90
*	AD	D	3	4	1	6	6	3	11/23/93	Coulter	D24	225	3/6/92
*	AE	D	3	4	2	5	7	5	12/21/93	Ashihara *et al.*	D24	224	3/23/92
*	AF	D	3	6	1	8	4	2	8/29/95	Nazareth *et al.*	D24	225	5/23/94
*	AG	D	3	6	9	8	6	8	5/14/96	Nazareth *et al.*	D24	225	1/31/95
*	AH	D	3	7	5	7	9	9	11/19/96	Leiva *et al.*	D24	224	12/12/94
*	AI	D	3	7	9	6	6	2	6/3/97	Pearson *et al.*	D24	223	3/22/95
*	AJ	D	3	7	9	6	6	3	6/3/97	Pearson *et al.*	D24	223	3/22/95
*	AK	D	3	8	0	5	5	4	7/1/97	Leiva *et al.*	D24	224	12/12/94
*	AL	D	3	8	3	5	4	9	9/9/97	Arnett *et al.*	D24	223	4/1/96
*	AM	D	3	8	3	5	5	0	9/9/97	Larson *et al.*	D24	225	2/9/96
*	AN	D	3	8	4	1	6	4	9/23/97	Leiva *et al.*	D24	224	4/6/95
*	AO	D	3	9	0	6	6	7	02/10/98	Nazareth	D24	223	04/08/97
	AP	D	4	3	2	2	4	4	10/17/00	Anderson *et al.*	D24	223	04/20/98
	AQ	D	4	3	4	1	5	3	11/21/00	Anderson *et al.*	D24	216	04/20/98
*	AR	3	6	0	0	0	9	9	8/17/71	Schoeffel	356	206	4/7/70
*	AS	3	7	3	4	6	3	0	5/22/73	McIntosh *et al.*	356	203	9/9/71
*	AT	3	7	6	2	8	1	7	10/2/73	Harklau	356	73	2/23/72
*	AU	3	9	0	5	7	6	7	9/16/75	Morris *et al.*	23	230B	1/30/74
*	AV	3	9	2	4	9	4	8	12/9/75	Thoden *et al.*	356	71	12/17/73
*	AW	4	1	6	0	0	0	8	7/3/79	Fenocketti *et al.*	422	56	1/26/78
*	AX	4	1	6	0	6	4	6	7/10/79	Furutani *et al.*	23	230R	11/21/77

EXAMINER | DATE CONSIDERED 5-3-02

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OIPE JC38 MAR 12 2001 PATENT & TRADEMARK OFFICE

RECEIVED MAR 14 2001 TECHNOLOGY CENTER R3700

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	AY	4	1	9	7	0	8	8	4/8/80	Meserol *et al.*	23	230B	9/23/77
*	AZ	4	2	2	5	5	7	5	9/30/80	Piasio *et al.*	424	1	5/15/78
*	BA	4	2	6	7	2	6	1	5/12/81	Hallman *et al.*	430	322	5/13/75
*	BB	4	2	6	8	1	7	3	5/19/81	Barnard *et al.*	356	445	12/18/78
*	BC	4	3	6	6	2	4	1	12/28/82	Tom *et al.*	435	7	08/07/80
*	BD	4	3	7	2	6	8	2	2/8/83	Nenninger *et al.*	356	244	3/18/81
*	BE	4	3	7	3	9	3	2	02/15/83	Gribnau	436	501	01/02/81
*	BF	4	3	7	9	2	2	4	4/5/83	Engstrom	235	463	5/26/81
*	BG	4	4	0	0	3	5	3	8/23/83	Meserol *et al.*	422	73	11/26/79
*	BH	4	4	3	6	8	2	6	03/13/84	Wang	436	525	10/21/81
*	BI	4	4	3	8	3	2	7	3/20/84	Smith	235	462	4/21/82
*	BJ	4	5	1	1	2	5	9	4/16/85	Horiuchi	368	10	5/27/83
*	BK	4	5	2	3	8	5	3	6/18/85	Rosenbladt *et al.*	356	446	8/31/82
*	BL	4	5	3	7	8	6	1	8/27/85	Elings *et al.*	436	518	2/3/83
*	BM	4	5	5	2	4	5	8	11/12/85	Lowne	356	446	10/11/83
*	BN	4	5	5	2	8	3	9	11/12/85	Gould *et al.*	435	7	08/01/83
*	BO	4	6	3	7	9	8	5	01/20/87	Sidki *et al.*	436	518	09/27/83
*	BP	4	6	4	7	5	4	4	3/3/87	Nicoli *et al.*	436	518	6/25/84
*	BQ	4	6	6	6	3	0	9	5/19/87	Barry *et al.*	356	446	7/1/83
*	BR	4	6	7	6	6	5	3	6/30/87	Strohmeier *et al.*	356	446	8/27/84
*	BS	4	6	8	9	2	0	2	8/25/97	Khoja *et al.*	422	65	9/11/84
*	BT	4	6	9	5	5	5	4	09/22/87	O'Connell *et al.*	436	528	03/27/85
*	BU	4	7	0	3	0	1	7	10/27/87	Cambell *et al.*	436	501	02/14/84
*	BV	4	7	1	6	1	2	3	12/29/87	Wood	436	533	08/20/86

EXAMINER DD | DATE CONSIDERED 5-30-2

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24727-0813C	09/717,478
APPLICANT: Anderson *et al.*	
FILING DATE: November 20, 2000	GROUP: 3736

OIPE JC38 MAR 17 2001 PATENT & TRADEMARK OFFICE

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	BW	4	7	3	8	8	2	3	4/19/88	Engelmann	422	56	8/7/86
*	BX	4	7	4	2	0	1	1	5/3/88	Blake *et al.*	436	518	5/30/85
*	BY	4	7	4	8	0	4	2	05/31/88	Linnecke *et al.*	427	2	03/31/87
	BZ	4	7	8	2	5	1	1	11/01/88	Nemec *et al.*	379	93	07/11/86
*	CA	4	8	0	3	0	4	8	02/07/89	Nason	422	58	04/02/87
*	CB	4	8	1	8	6	7	7	4/4/89	Hay-Kaufman *et al.*	435	4	12/3/87
*	CC	4	8	2	0	4	8	9	4/11/89	Rothe *et al.*	422	56	7/9/86
*	CD	4	8	2	0	4	9	1	4/11/89	Khoja *et al.*	422	63	4/1/87
*	CE	4	8	2	6	6	5	9	05/02/89	Akisada	422	63	09/03/87
*	CF	4	8	3	8	6	9	7	6/13/89	Kurandt	356	406	8/5/87
*	CG	4	8	5	5	2	4	0	8/8/89	Rosenstein *et al.*	436	514	5/13/87
*	CH	4	8	5	7	4	5	7	8/15/89	Shamsuddin *et al.*	435	7	7/24/86
*	CI	4	8	6	1	7	1	1	8/29/89	Friesen *et al.*	436	7	12/13/85
*	CJ	4	8	6	7	9	4	6	9/19/89	Gross *et al.*	422	68	9/8/87
*	CK	4	8	6	8	7	6	7	9/19/89	Colvin, Jr. *et al.*	364	525	7/30/87
*	CL	4	8	7	4	6	9	1	10/17/89	Chandler	435	7	10/16/87
*	CM	4	8	9	4	3	2	6	1/16/90	Matsuura *et al.*	435	7	4/9/86
*	CN	4	9	0	2	6	2	9	2/20/90	Meserol *et al.*	436	165	10/6/87
*	CO	4	9	0	7	8	5	7	3/13/90	Giuliani *et al.*	350	96.29	6/14/89
*	CP	4	9	1	6	0	5	6	4/10/90	Brown, III *et al.*	435	7	3/28/88
*	CQ	4	9	1	8	0	2	5	4/17/90	Grenner	436	165	3/3/87
*	CR	4	9	1	9	8	8	9	4/24/90	Jones *et al.*	422	40	9/15/88
*	CS	4	9	2	0	0	4	6	4/24/90	McFarland *et al.*	435	7	10/8/87
*	CT	4	9	3	4	8	1	7	6/19/90	Gassenhuber	356	446	12/6/88

EXAMINER A.D. | DATE CONSIDERED 5-3-02

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24727-0813C	09/717,478
APPLICANT	
Anderson *et al.*	
FILING DATE	GROUP
November 20, 2000	3736

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	CU	4	9	3	5	3	4	6	6/19/90	Phillips *et al.*	435	14	8/13/86
*	CV	4	9	4	3	5	2	2	7/24/90	Eisinger *et al.*	435	7	8/10/88
*	CW	4	9	4	5	2	5	0	7/31/90	Bowen *et al.*	250	461.1	7/12/89
*	CX	4	9	6	0	6	9	1	10/2/90	Gordon *et al.*	435	6	9/29/86
*	CY	4	9	6	2	1	5	4	10/09/90	Pollock	525	54.1	07/14/88
*	CZ	4	9	8	0	2	9	8	12/25/90	Blake *et al.*	436	518	6/20/89
*	DA	4	9	8	1	7	8	6	01/01/91	Dafforn *et al.*	435	7	09/04/87
*	DB	5	0	0	6	4	7	4	4/9/91	Horstman *et al.*	436	524	12/16/87
*	DC	5	0	0	8	0	8	0	4/16/91	Brown, III *et al.*	422	56	2/6/90
*	DD	5	0	3	6	4	7	9	07/30/91	Prednis *et al.*	364	580	04/20/89
*	DE	5	0	4	7	2	0	6	9/10/91	Dombrowski	422	56	3/11/87
*	DF	5	0	5	5	2	6	1	10/8/91	Khoja *et al.*	422	64	11/14/88
*	DG	5	0	5	9	3	9	4	10/22/91	Phillips *et al.*	422	68.1	2/11/88
*	DH	5	0	7	3	3	4	2	12/17/91	Porte *et al.*	422	64	1/5/89
*	DI	5	0	7	3	4	8	4	12/17/91	Swanson *et al.*	435	7.92	02/23/83
*	DJ	5	0	7	5	2	1	5	12/24/91	Dreyer	435	6	06/03/91
*	DK	5	0	7	9	1	7	1	1/7/92	Senyei *et al.*	436	510	1/27/89
*	DL	5	0	8	7	5	5	6	2/11/92	Ertinghausen	435	7.9	5/17/89
*	DM	5	0	9	4	9	5	5	3/10/92	Calandra *et al.*	435	291	2/15/90
*	DN	5	0	9	6	8	3	0	3/17/92	Senyei *et al.*	436	65	9/15/88
*	DO	5	1	0	0	8	0	5	3/31/92	Ziege *et al.*	436	517	1/26/89
*	DP	5	1	0	4	8	1	1	04/14/92	Berger *et al.*	436	164	12/18/87
*	DQ	5	1	1	8	1	8	3	6/2/92	Cargill *et al.*	356	73	2/13/90
*	DR	5	1	2	0	6	4	3	6/9/92	Ching *et al.*	435	7.92	7/13/87

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24727-0813C	SERIAL NO. 09/717,478
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Anderson *et al.*	
	FILING DATE November 20, 2000	GROUP 3736

OIPE TC3800 MAR 12 2001 PATENT & TRADEMARK OFFICE

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	DS	5	1	2	0	6	6	2	6/9/92	Chan *et al.*	436	530	6/4/90
*	DT	5	1	3	0	9	3	6	07/14/92	Sheppard *et al.*	364	551.01	09/14/90
*	DU	5	1	3	2	0	9	7	7/21/92	Van Deusen *et al.*	422	82.09	9/4/90
*	DV	5	1	3	2	2	0	6	07/21/92	Dreyer	435	6	10/20/98
*	DW	5	1	3	5	1	6	0	8/4/92	Tasaki	235	462	8/17/90
*	DX	5	1	4	1	8	5	0	8/25/92	Cole *et al.*	436	525	2/7/90
*	DY	5	1	4	3	6	9	4	9/1/92	Schafer *et al.*	422	65	12/4/90
*	DZ	5	1	4	7	6	0	6	9/15/92	Charlton *et al.*	422	56	8/6/90
*	EA	5	1	4	7	6	0	9	9/15/92	Grenner	422	58	5/19/89
*	EB	5	1	4	9	6	2	2	09/22/92	Brown *et al.*	435	5	05/21/90
*	EC	5	1	5	7	7	3	3	10/20/92	Takeo *et al.*	382	6	6/7/91
*	ED	5	1	6	0	4	8	6	11/03/92	Schlipfenbacher *et al.*	422	56	12/14/89
*	EE	5	1	7	3	2	6	1	12/22/92	Krause *et al.*	422	58	12/12/91
*	EF	5	1	7	9	0	0	5	1/12/93	Phillips *et al.*	435	14	4/28/88
*	EG	5	1	7	9	2	8	8	1/12/93	Miffitt *et al.*	250	564	9/30/91
*	EH	5	1	8	2	2	1	6	1/26/93	Clayton *et al.*	436	518	11/22/88
*	EI	5	1	8	5	1	2	7	2/9/93	Vonk	422	56	3/24/92
*	EJ	5	1	8	5	2	7	0	2/9/93	Senyei *et al.*	436	510	12/12/88
*	EK	5	1	9	2	8	5	6	3/9/93	Schaham	235	462	11/19/90
*	EL	5	1	9	8	3	6	9	3/30/93	Itoh *et al.*	436	534	4/19/91
*	EM	5	2	0	2	2	6	8	4/13/93	Kuhn *et al.*	436	525	12/30/88
*	EN	5	2	2	3	2	1	9	6/29/93	Subramanian *et al.*	422	55	4/10/92
*	EO	5	2	2	3	4	4	0	6/29/93	Teng *et al.*	436	510	11/18/88
*	EP	5	2	2	7	8	9	3	7/13/93	Ett	358	400	10/31/90

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MAR 12 2001
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	EQ	5	2	3	6	8	4	6	8/17/93	Senyei *et al.*	436	65	7/18/91
*	ER	5	2	4	3	6	5	5	9/7/93	Wang	380	51	3/16/92
*	ES	5	2	4	6	8	5	8	9/21/93	Arbuckle *et al.*	436	8	2/27/91
*	ET	5	2	4	9	2	5	9	9/28/93	Harvey	395	13	5/28/92
*	EU	5	2	5	1	6	2	6	10/12/93	Nickolls *et al.*	607	14	7/22/92
*	EV	5	2	5	2	4	5	9	10/12/93	Tarcha *et al.*	435	6	9/23/88
*	EW	5	2	6	2	6	2	5	11/16/93	Tom *et al.*	235	462	11/15/91
*	EX	5	2	6	6	4	9	7	11/30/93	Imai *et al.*	436	514	08/30/91
*	EY	5	2	7	5	7	8	5	1/4/94	May *et al.*	422	56	6/25/92
*	EZ	5	2	8	1	5	2	2	1/25/94	Senyei *et al.*	435	7.9	12/14/90
*	FA	5	2	8	8	6	4	8	2/22/94	Pouletty *et al.*	436	514	7/24/92
*	FB	5	2	9	9	2	8	4	3/29/94	Roy	395	22	4/9/90
*	FC	5	3	0	1	6	8	1	4/12/94	DeBan *et al.*	128	736	9/27/91
*	FD	5	3	0	4	4	6	8	4/19/94	Phillips *et al.*	435	14	1/26/93
*	FE	5	3	0	4	7	8	6	4/19/94	Pavlidis *et al.*	235	462	1/5/90
*	FF	5	3	0	6	6	2	2	4/26/94	Mangold	435	7.92	11/5/91
*	FG	5	3	1	6	7	2	7	5/31/94	Suzuki et al.	422	68.1	8/28/92
*	FH	5	3	2	1	4	9	2	06/14/94	Detwiler *et al.*	356	73	08/07/92
*	FI	5	3	3	1	5	5	0	7/19/94	Stafford *et al.*	364	413.02	2/11/93
*	FJ	5	3	5	4	6	9	2	10/11/94	Yang *et al.*	436	514	9/8/92
*	FK	5	3	9	2	4	0	3	2/21/95	Kaufmann	395	275	4/23/92
*	FL	5	4	0	8	5	3	5	4/18/95	Howard III *et al.*	382	1	9/7/93
*	FM	5	4	1	5	9	9	4	5/16/95	Imrich *et al.*	435	5	8/2/93
*	FN	5	4	2	4	0	3	5	6/13/95	Hones *et al.*	422	55	3/29/94

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	FO	5	4	5	5	8	9	0	10/3/95	Wang	395	22	9/30/93
*	FP	5	4	5	7	3	1	3	10/10/95	Baylor *et al.*	250	227.21	2/1/94
*	FQ	5	4	6	3	5	4	8	10/31/95	Asada *et al.*	364	413.02	4/28/93
*	FR	5	4	6	7	7	7	8	11/21/95	Catt *et al.*	128	738	8/20/93
*	FS	5	4	6	8	6	1	9	11/21/95	Senyei *et al.*	435	7.94	5/12/93
*	FT	5	4	7	3	5	3	7	12/5/95	Glazer *et al.*	364	419.2	4/12/95
*	FU	5	4	8	1	4	8	1	01/02/96	Frey *et al.*	364	551.01	11/23/92
*	FV	5	4	9	6	7	0	2	03/05/96	Bishop *et al.*	435	7.39	03/05/96
*	FW	5	5	0	0	3	7	5	3/19/96	Lee-Own *et al.*	436	514	4/13/93
*	FX	5	5	1	6	7	0	2	5/14/96	Senyei *et al.*	436	510	6/29/94
*	FY	5	5	2	6	1	2	0	6/11/96	Jina *et al.*	356	446	9/8/94
*	FZ	5	5	3	7	5	9	0	7/16/96	Amado	395	600	8/5/93
*	GA	5	5	4	4	3	0	8	08/06/96	Giordano *et al.*	395	183.02	08/02/94
*	GB	5	5	6	3	0	4	2	10/8/96	Phillips *et al.*	435	14	3/21/95
*	GC	5	5	7	8	3	0	6	11/26/96	Lessey	424	143.1	3/3/95
*	GD	5	5	8	0	7	9	4	12/3/96	Allen	436	169	5/31/95
*	GE	5	5	8	5	2	7	8	12/17/96	Vunnam *et al.*	436	533	10/27/94
*	GF	5	5	9	0	6	6	5	1/7/97	Kanai	128	898	11/10/94
*	GG	5	5	9	1	6	4	5	1/7/97	Rosenstein	436	514	4/20/93
*	GH	5	5	9	4	6	3	7	1/14/97	Eisenberg *et al.*	395	202	5/26/93
*	GI	5	5	9	7	5	3	2	1/28/97	Connolly	422	58	10/20/94
*	GJ	5	5	9	8	0	0	7	1/28/97	Bunce *et al.*	250	566	3/21/94
*	GK	5	6	0	2	0	4	0	2/11/97	May *et al.*	436	514	5/12/94
*	GL	5	6	2	1	2	0	4	4/15/97	Yu	235	462	5/30/95

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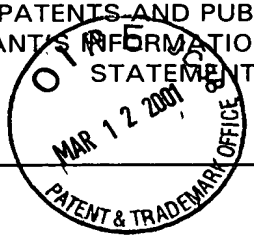
FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT



ATTY. DOCKET NO. 24727-0813C	SERIAL NO. 09/717,478
APPLICANT Anderson *et al.*	
FILING DATE November 20, 2000	GROUP 3736

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	GM	5	6	2	2	1	7	1	4/22/97	Asada *et al.*	128	653.1	4/14/95
*	GN	5	6	2	2	8	7	1	4/22/97	May *et al.*	436	514	7/15/93
*	GO	5	6	2	3	9	3	9	4/29/97	Garfield	128	733	6/7/95
*	GP	5	6	2	7	9	0	7	5/6/97	Gur *et al.*	382	132	12/1/94
*	GQ	5	6	4	8	2	7	4	7/15/97	Chandler	436	514	6/2/95
*	GR	5	6	5	4	1	6	2	08/05/97	Guire *et al.*	435	7.92	06/01/92
*	GS	5	6	5	4	8	0	3	08/05/97	Howard, III *et al.*	356	446	05/09/96
*	GT	5	6	5	6	5	0	2	8/12/97	MacKay *et al.*	436	180	6/7/95
*	GU	5	6	5	6	5	0	3	8/12/97	May *et al.*	436	514	9/15/94
*	GV	5	6	5	6	5	0	6	08/12/97	Kawaguchi *et al.*	436	534	06/01/95
*	GW	5	6	5	8	8	0	1	8/19/97	Poissant *et al.*	436	518	1/4/95
*	GX	5	6	5	8	8	0	2	08/19/97	Hayes *et al.*	436	518	09/07/95
*	GY	5	6	6	1	5	6	3	8/26/97	Howard *et al.*	356	446	5/9/96
*	GZ	5	6	6	5	3	1	0	9/9/97	Augstein	422	66	7/18/95
*	HA	5	6	6	8	0	1	7	9/16/97	Buchanan *et al.*	436	518	2/10/95
*	HB	5	6	8	1	5	2	9	10/28/97	Taguchi *et al.*	422	61	8/23/95
*	HC	5	6	8	6	3	1	5	11/11/97	Pronovost *et al.*	436	510	1/21/94
*	HD	5	6	8	7	7	1	6	11/18/97	Kaufmann *et al.*	128	630	11/15/95
*	HE	5	6	9	0	1	0	3	11/25/97	Groth *et al.*	128	632	06/20/96
*	HF	5	7	0	1	1	8	1	12/23/97	Boiarski *et al.*	356	446	5/12/95
*	HG	5	7	2	3	8	6	8	3/3/98	Hammond, Jr. *et al.*	250	553	2/25/97
	HH	5	7	4	1	4	6	2	04/21/98	Nova *et al.*	422	68.1	04/25/95
	HI	5	7	5	1	6	2	9	05/12/98	Nova *et al.*	365	151	06/07/95
*	HJ	5	8	1	7	4	6	1	10/06/98	Austin *et al.*	435	6	01/03/96

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	SERIAL NO.
24727-0813C	09/717,478
APPLICANT: Anderson *et al.*	
FILING DATE: November 20, 2000	GROUP: 3736

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
D.D.	HK	5	8	7	4	2	1	4	02/23/99	Nova *et al.*	435	6	10/03/95
* D.D.	HL	5	8	7	8	7	4	6	03/09/99	Lemelson *et al.*	600	407	06/06/95
D.D.	HM	5	9	2	5	5	6	2	07/20/99	Nova *et al.*	435	287.1	06/07/95
D.D.	HN	5	9	6	1	9	2	3	10/05/99	Nova *et al.*	422	68.1	09/30/96
D.D.	HO	6	0	1	7	4	9	6	01/25/00	Nova *et al.*	422	68.1	09/06/96
D.D.	HP	6	0	2	5	1	2	9	02/15/00	Nova *et al.*	435	6	12/05/95
D.D.	HQ	6	1	0	0	0	2	6	08/08/00	Nova *et al.*	435	6	06/10/96

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes	Translation No
* DD	HR	0	3	5	9	2	7	4	11/15/95	EPO B1				
* DD	HS	0	3	8	7	6	3	0	09/19/90	EP				
* DD	HT	0	5	0	0	5	0	6	8/26/92	EPO A1				
* DD	HU	0	5	2	8	9	8	8	4/16/97	EPO B1				
*	~~HV~~	~~0~~	~~5~~	~~5~~	~~7~~	~~8~~	~~3~~	~~1~~	~~09/01/93~~	~~EP~~			~~X*~~	
* D.D.	HW	0	6	1	0	8	0	5	8/17/94	EPO A2				
* DD	HX	0	6	1	6	2	9	1	9/21/94	EPO A2				
* DD	HY	0	6	4	4	4	1	4	03/22/95	EP A2				
* DD	HZ	1	3	0	5	9	2	1	8/4/92	CANADA				
* DD	IA	1	3	3	9	1	1	7	7/29/97	CANADA				
* DD	IB	9	4	2	5	9	3	3	11/10/94	PCT				
* DD	IC	9	4	2	7	4	9	0	12/08/94	PCT				
* DD	ID	9	6	1	2	1	8	7	4/25/96	PCT				

No translation

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Anderson *et al.*	
	FILING DATE November 20, 2000	GROUP 3736

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes	Translation No
* D.D.	IE	9 7 0 5 5 5 3	2/13/97	PCT				
* DD	IF	9 7 0 9 6 7 8	03/13/97	PCT				
* DD	IG	9 7 1 7 8 9 1	05/22/97	PCT				
* DD	IH	9 7 2 9 4 4 7	8/14/97	PCT				
* DD	II	9 7 3 7 2 2 2	10/9/97	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

D.D.	IJ	ANSI MH10.8M-1993, American National Standard *for Materials Handling*- Unti Loads and Transport Packages- Bar Code Symbols. American National Standards Institute, 1994.
*	IK	"Artificial Intelligence Systems in Routine Clinical Use", (available on http://www.gretmar.com/ailist/list.html on 11/21/96)
* DD	IL	"BarCode 1; Code 128 Specification Page", (available on http://www.adams1.com/pub/russadam/128code.html on 4/14/98)
* DD	IM	"Code 39 Symbology", (available on http://www.abetech.com/abetech/ab .../3d40bf6c892a1f6a8625645100586c88 on 4/14/98)
*	IN	"Neural Informatics Pearls of Wisdom", (available on http://www.-smi.stanford.edu/people/...hysiology/Neuro_Pearls.html#ANN-app on 11/21/96)
*	IO	Al-Jumah *et al.*, Artificial neural network based multiple fault diagnosis in digital circuits, Proceedings of the 1998 IEEE International Symposium on Circuits and Systems 2:304-307 (1998).
*	IP	Alvager, T., *et al.*, "The Use of Artificial Neural Networks in Biomedical Technologies: An Introduction", Biomed. Instr. Tech., 315-322 (1994)
*	IQ	Baxt, W.G., "A Neural Network Trained to Identify the Presence of Myocaridal Infarction Bases Some Decisions on Clinical Associations that Differ from Accepted Clinical Teaching", Med. Decis. Making, 14:217-222 (1994)
*	IR	Baxt, W.G., "Application of Artificial Neural Networks to Clinical Medicine", The Lancet, 346:1135-1138 (1995)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	IS	Baxt, W.G., "Analysis of the Clinical Variables Driving Decision in an Artificial Neural Network Trained to Identify the Presence of Myocardial Infarction", Ann. Emerg. Med., 21(12):1439-1444 (1992)
*	IT	Baxt, W.G., "Use of an Artificial Neural Network for the Diagnosis of Myocardial Infarction", Ann. Int. Med., 115:843-848 (1991)
*	IU	Baxt, W.G., "Improving the Accuracy of an Artificial Neural Network Using Multiple Differently Trained Networks", Neur. Comp., 4:772-780 (1992)
*	IV	Baxt, W.G., "Complexity, Chaos and Human Physiology: The Justification for Non-linear Neural Computational Analysis", Cancer Lett., 77:85-93 (1994)
*	IW	Baxt, W.G., "Use of an Articifial Neural Network for Data Analysis in Clinical Decision-Making: The Diagnosis of Acute Coronary Occlusion", Neur. Comp., 2:480-489 (1990)
*	IX	Baxt, W.G. and White, H., "Bootstrapping Confidence Intervals for Clinical Input Variable Effects in a Network Trained to Identify the Presence of Acute Myocardial Infarction", Neur. Comp., 7:624-638 (1995)
*	IY	Beksac, M.S. *et al.*, "An Artificial Intelligent Diagnost ic System with Neural Networks to Determine Genetical Disorders and Fetal Health by Using Maternal Serum Markers", Eur. Jour. Ob. Gyn. Reprod. Bio., 59:131-136 (1995)
*	IZ	Benediktsson, J.A. *et al.*, "Parallel Consensual Neural Networks with Optimally Weighted Output", Proc. World Cong. Neur. Networks, 3:129-137 (1994)
*	JA	BioComp Systems, Inc., "Systems that Learn, Adapt and Evolve", (available on http://www.bio-comp.com/products.htm on 11/21/96)
*	JB	Blinowska, A. *et al.*, "Diagnostica - A Bayesian Decision-Aid System - Applied to Hypertension Diagnosis", IEEE Transact Biomed. Eng., 40(3):230-235 (1993)
*	JC	Brickley, M.R. and Shepherd, J.P., "Performance of a Neural Network Trained to Make Third-molar Treatment-planning Decisions", Med. Decis. Making, 16:153-160 (1996)
*	JD	Brownell, Neural networks for sensor management and diagnostics, Proceedings of the IEEE Aerospace and Electronics Conference 3:923-929 (1992).
*	JE	Creasy, R.K. and Resnik, R., "Maternal Fetal Medicine: Principles and Practice", Ch. 36, Sect.18, p.657, Harcourt, Brace, Jovanovich, Inc., 1989
*	JF	Database Derwent WPI #009580780, citing European patent 557831 A, Instrument for determining optimum delivery time of foetus.

EXAMINER	DATE CONSIDERED

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	JG	Davis, R. *et al.*, "Production Rules as a Representation for a Knowledge-Based Consultation Program", Artif. Intel., 8:15-45 (1977)
*	JH	Diller, W., "Horus' Computer Enhanced Diagnostics", IN VIVO: Business and Medicine Report, pp. 3-10 (1997)
*	JI	Fahlman, S.E., "Faster Learning Variations on Back-Propagation: An Empirical Study", Proc. 1988 Connectionist Models Summer School, Pittsburgh, pp. 38-51 (1988)
*	JJ	Fahlman, S.E. and Lebiere, C., "The Cascade Correlation Learning Architecture", Adv. Neur. Informat. Proc. Syst., 2:524-532 (1989)
*	JK	Geoghegan, W.D. and Ackerman, G.A., "Adsorption of Horseradish Peroxidase, Ovomucoid and Anti-Immunoglobulin to Colloidal Gold for the Indirect Detection of Concanavalin A, Wheat Germ Agglutinin and Goat Anti-Human Immunoglobulin G on Cell Surfaces at the Electron Microscopic Level: A New Method, Theory and Application", Jour. Hist. Cytochem., 25(11):1187-1200 (1977)
*	JL	Kahn, C.E. *et al.*, "Mammonet: Mammography Decision Support System", (available at http://www.mcw.edu/midas/mammo.html on 11/21/96)
*	JM	Keller, P.E., "Artificial Neural Networks in Medicine", Handout / Technology brief, Pacific Northwest Laboratory
*	JN	Kim, J. *et al.*, "Ensemble Competitive Learning Neural Networks with Reduced Input Dimension", Int. J. Neur. Syst., 6(2):133-142 (1995)
*	JO	Kol, S. *et al.*, "Interpretation of Nonstress Tests by an Artificial Neural Network", Am. J. Obstet. Gynecol., 172(5):1372-1379 (1995)
*	JP	LaPuerta, P. *et al.*, "Use of Neural Networks in Predicting the Risk of Coronary Artery Disease", Comp. Biomed. Res., 28:38-52 (1995)
D.H.	JQ	Lockwood, C. *et al.*, "Fetal Fibronectin in Cervical and Vaginal Secretions as a Predictor of Preterm Delivery", The New England Journal of Medicine 325(10):699-74 (1991).
*	JR	Maclin, P.S. *et al.*, "Using Neural Networks to Diagnose Cancer", J. Med. Syst., 15(1):11-19 (1991)
*	JS	Marko *et al.*, Automotive diagnostics using trainable classifiers: statistical testing and paradigm selection, IJCNN International Joint Conference on Neural Networks 1:33-38 (1990).

EXAMINER D.H. | DATE CONSIDERED 5-6-02

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	JT	Matsuura, H. and Hakomori, S., "The Oncofetal Domain of Fibronectin Defined by Monoclonal Antibody FDC-6: Its Presence in Fibronectins from Fetal and Tumor Tissues and Its Absence in Those from Normal Adult Tissues and Plasma", Proc. Natl. Acad. Sci. USA, 82:6517-6521 (1985)
*	JU	Michel *et al.*, Prognosis with neural networks using statistically based feature sets, Computer-Based Medical Systems, Proceedings of Fifth Annual IEEE Symposium pp. 695-702 (1992).
*	JV	Mobley, B.A. *et al.*, "Artificial Neural Network Predictions of Lengths of Stay on a Post-Coronary Care Unit", Heart Lung, 24(3):251-256 (1995)
*	JW	Modai, I. *et al.*, "Clinical Decisions for Psychiatric Inpatients and their Evaluation by a Trained Neural Network", Meth. Inform. Med., 32(5):396-399 (1993)
*	JX	Moneta, C. *et al.*, "Automated Diagnosis and Disease Characterization using Neural Network Analysis", IEEE Intl. Conf. Systs., Man, Cybernetics, USA, 1:123-128 (1992)
D.D.	JY	Nageotte *et al.*, "Fetal fibronectin in patients at increased risk for premature birth," Am J Obstet Gynecol 170(1):20-5 (1994).
*	JZ	Nejad, A.F. and Gedeon, T.D., "Significance Measures and Data Dependency in Classification Methods", IEEE Intl. Conf. Neur. Network Proceedings, Australia, 4:1816-1822 (1995)
*	KA	Ota, H. and Maki, M., "Evaluation of Autoantibody and CA125 in the Diagnosis of Endometriosis or Adenomyosis", Med. Sci. Res., 18:309-310 (1990)
*	KB	Ouyang *et al.*, Using a neural network to diagnose anterior wall myocardial infarction, International Conference on Neural Networks 1:56-61 (1997).
*	KC	Pattichis, C.S. et al., "Neural Network Models in EMG Diagnosis", IEEE Trans. Biomed. Engin., 42:486-495 (1995)
*	KD	Penny, W. and Frost, D., "Neural Networks in Clinical Medicine", Med. Decis. Making, 16:386-398 (1996)
*	KE	Pollak, V. and Boulton, A.A., "An Experimental High-Performance Photodensitometer for Quantitative Chromatography", J. Chromat., 115:335-347 (1975)
D.D.	KF	Press Release: Adeza Biomedical and Biotrin International announce agreement to distribute test for preterm labor, November 18, 1999, http://www/adeza/com/news.htm
D.D.	KG	Press Release: Adeza Biomedical and Abbott Laboratories announce agreement to market test for preterm labor, September 2, 1999, http://www/adeza/com/news.htm

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	KH	Press, W.H. *et al.*, eds., "Numerical Recipes in C", Cambridge University Press, Second Edition, 1992
*	KI	Rogers, S.K. *et al.*, "Artificial Neural Networks for Early Detection and Diagnosis of Cancer", 77:79-83 (1994)
*	KJ	Sheppard *et al.*, A neural network for evaluating diagnostic evidence, Aerospace and Electronics Conference, NAECON, Proceedings of the IEEE 1991 National 2:717-723 (1991).
DD	KK	Senyei, A.E. and E.R. Wassman, "Fetal Cells in the Maternal Circulation 20(3):583-98 (1993).
*	KL	Siganos, D., "Neural Networks in Medicine", (available at http://scorch.doc.ic.ac.uk/~nd/surprise_96/journal/vol2/ds12/article2.html on 11/21/96)
*	KM	Snow, P.B. *et al.*, "Artificial Neural Networks in the Diagnosis and Prognosis of Prostate Cancer: A Pilot Study", J. Urol., 152:1923-26 (1994)
*	KN	Solms, F. *et al.*, "A Neural Network Diagnostic Tool for the Chronic Fatigue Syndrome", International Conference on Neural Networks, Paper no. 108 (1996)
*	KO	Stamey, T.A., "ProstAsure™: An Information Resource", (available at http://www.labcorp.com/prost3.htm on 11/21/96)
*	KP	Stephenson, J., "RAMP: A Quantitative Immunoassay Platform Takes Shape", IVD Tech., pp. 51-56 (1996)
DD	KQ	Tsay *et al.*, "Optical Biosensor assay (OBA)," Clinical Chemistry 37(9):1502-1505 (1991).
*	KR	Turner, D.D. and Garrett, B.A., "Coronary Artery Disease Diagnosis", Technology handout, (available on http://www.emsl.gov:2080/docs/cie/techbrief/CAD.techbrief.html on 11/21/96)
*	KS	Utans, J. *et al.*, "Input Variable Selection for Neural Networks: Application to Predicting the U.S. Business Cycle", IEEE, pp. 118-122 (1995)
*	KT	Utans, J. and Moody, J., "Selecting Neural Network Architectures via the Prediction Risk: Application to Corporate Bond Rating Prediction", Proceedings of the First International Conference on Artificial Intelligence Applications on Wall Street, Washington, D.C., IEEE Computer Society Press, pp. 35-41 (1991)
*	KU	van Dyne *et al.*, "Using machine learning and expert systems to predict preterm delivery in pregnant women", Proceedings of the Tenth Conference on Artificial Intelligence for Applications, San Antonia, TX, March 1-4, 1994, pp. 344-350.

EXAMINER DD | DATE CONSIDERED 5-6-02

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	KV	van Dyne *et al.*, "Using inductive machine learning, expert systems and case based reasoning to predict preterm delivery in pregnant women", Database and Expert Systems Applications, 5th Int'l Conf., DEXA 1994 Proceedings, Athens, Greece, Sept. 7-9, 1994, pp. 690-702.
*	KW	Weinstein, J.N. *et al.*, "Neural Networks in the Biomedical Sciences: A Survey of 386 Publications Since the Beginning of 1991", pp. 121-126
*	KX	Widman, L.E., "Expert Systems in Medicine", (available on http://amplatz.uokhsc.edu/acc95-expert-systems.html on 1-1/21/96)
*	KY	Wilding, P. *et al.*, "Application of Backpropagation Neural Networks to Diagnosis of Breast and Ovarian Cancer", Cancer Lett., 77:145-153 (1994)
*	KZ	Young, G.P., "Diagnosis of Acute Cardiac Ischemia", (available on http://www.library.ucs...1/Originals/young.html on 11/21/96)

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